	Type	L #	Hits	Search Text
1	BRS	L1	331	"rj-45" with "rj-11"
2	BRS	L2	53464	455/$5.ccls.
3	BRS	L3	13	1 and 2

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2004/03/24 09:56		
2	USPAT; US-PGPUB	2004/03/24 09:56		
3	USPAT; US-PGPUB	2004/03/24 09:57		

US-PAT-NO: 6404393

DOCUMENT-IDENTIFIER: US 6404393 B1

TITLE: Embedded antenna in a type II PCMCIA card

---------- **KWIC** ----------

Detailed Description Text - DETX (4):
  In the present embodiment, peripheral component 108 is a type II PCMCIA
card. The peripheral component 108 has three different types of interfaces on
it. For example, the peripheral component 108 has a receptacle interface,
which is an X-Jack.TM. in a preferred embodiment. In other embodiments, the
receptacle is any receptacle suited to receive an RJ11 plug and/or an RJ-45
plug. The receptacle allows the host computer 120 to connect through a phone
line (**RJ-11**) or Ethernet connection (**RJ-45**) to, for example, the Internet or a
LAN 125. The receptacle may also be suitable for an ISDN connection, a Digital
Subscriber Line connection (DSL), or the like.

Claims Text - CLTX (13):

7. The peripheral component of claim 1 wherein said receptacle is operable
to connect to a plug selected from a group consisting of:
an **RJ-11** plug, and an
RJ-45 plug.

Claims Text - CLTX (23):

13. The apparatus of claim 11 wherein said receptacle
is operable to
connect to a plug selected from a group consisting of: an
RJ-11 plug, and an
RJ-45 plug.

Claims Text - CLTX (33):

17. The type II PCMCIA card of claim 15 wherein said receptacle is operable
to connect to a plug selected from a group consisting of:
an **RJ-11** plug, and an
RJ-45 plug.

Current US Cross Reference Classification - CCXR (2):
455/90.1

DOCUMENT-IDENTIFIER: **US 20020065076 A1**

TITLE: **APPARATUS AND METHOD FOR SELECTION OF CIRCUIT IN MULTI-CIRCUIT COMMUNICATIONS DEVICE**

---------- **KWIC** ---------

Current US Classification, US Primary Class/Subclass - CCPR (1):

  455/552.1

Summary of Invention Paragraph - BSTX (11):

  [0010] In the preferred embodiments of the invention, means for detecting
the presence of a wireline service is provided directly on the cellular
handset. This is accomplished by physical insertion of a wireline into the
RJ-11 or RJ-45 jack or by electrical detection of the wireline itself. The
following embodiments have been incorporated to accomplish this function: (1) a
physical switch is installed behind the **RJ-11 or RJ-45** jack to detect insertion

of a wireline plug; (2) optical detection; (3) detection of a dial tone or
other audio detection; (4) detection of line voltage to determine the presence
of a connection, (5) detection of the presence of a digital signal or digital
protocol to determine the presence of a connection. A combination of detection
systems may be utilized for better reliability. For example, if a physical
switch is used in combination with the dial tone detector, the system will go
into land line mode as soon as a wireline plug is inserted in the RJ-11 jack.
However, if no dial tone is detected when a transmission is initiated, the
system will default to the wireless mode.

Summary of Invention Paragraph - BSTX (12):
   [0011] The same methods can also be employed to switch between first
priority and second or lower priority transmission systems of the same genre.
For example, the system may include a low cost wired, Internet based standard
land line primary system and a high cost, wired, secure land line secondary
transmission system. The apparatus and method of the present invention permits
the system to always select the low cost line, for

example, if it is present by being connected through the **RJ-45** jack, but will default to the secondary transmission system through the **RJ-11** jack if the low cost Internet based line is not connected, or cannot be accessed. Another example would be the use of multiple wireless systems such as PCS wireless backed up by analog wireless or cellular. Wired and wireless systems could also be combined a as primary and secondary systems.

Detail Description Paragraph - DETX (2):

   [0039] The preferred embodiments of the invention comprise a method of and apparatus for transparently selecting one of a plurality of transmission schemes for transmitting audio and/or data signals from a hand held, portable signal capture device. The connections to the transmission system can be any compatible method including, by way of example, an **RJ-11** switch for land line telephone, an 8 pin modular jack such as an **RJ-45** type jack, for ISDN, LAN, Internet or Ethernet transmission, or other. While for convenience of discussion reference is made to **RJ-11 and RJ-45** jacks throughout the

description, such terms are not intended to be limiting.

Detail Description Paragraph - DETX (21):

[0058] FIG. 13 is similar to FIG. 9 and shows a system capable of selecting
between the wireless transceiver 66, a wired **LAN** connected through the <u>**RJ-45**</u>
jack, the **LAN** interface 92, protocol engine 94 and the **CODEC** module 96, or the
POTS interface 98 and <u>**RJ-11**</u> jack 100 utilizing discrete circuitry depending on
the transmission system selected. In this embodiment, there are three genre or
classes of transmission available, wireless as indicated by transceiver 66 and
antenna 58; wired **LAN** as indicated the the **CODEC** module 96, the protocol engine
94 and the **LAN** interface 92, with an **RJ-11** connector jack 90; and land line or
POTS telephone, as indicated by the **POTS** interface 98 and the **RJ-11** connector
jack 100. The input may be either digital, as indicated by the data modem 53,
or analog, as indicated by the microphone 52 and the speaker 54. Where an
analog transmissions system is used, sych as the wireless transceiver or the
POTS interface, the analog input is connected directly to the transceiver.
Where a digital input signal is to be sent over an analog

output system the

signal is converted, and likewise, where an analog signal is sent over digital

transmission systems. For example, the CODEC module compresses and digitizes

analog audio input for transmission via the internet and decompresses and

converts digital signal recieved via the internet for receipt at the analog I/O

device such as speaker 54.

Detail Description Paragraph - DETX (22):

[0059] FIG. 14 is a comprehensive system for transmitting text data via an

I/O device, or a modem interface 104, as well as voice via the voice CODEC

module, as in FIG. 13, but utilizes a shared circuitry or complex circurity

configuration. In this configuration, three input devices are provided, a

digital text data I/O 102, a digital data modem 104 and an analog I/O

comprising Micropone 110 and speaker 108. The analog data bus is provided as

indicated at 111, 113, and when conversion between digital and anolg voice

signals are required, the voice CODEC 106 is employed. A digital data bus is

provided at 107, 109 for directing the digital signal to a protocol engine for

provided output sinals in proper protocol on signal bus 113, 115. The example
shown in FIG. 10 supports transmission over a plurality of analog and digital
transmission systems, as follows: a first digital wireless system "A" 112, a
second digital wireless system "B " 114, a digital LAN system 116 supported by
the RJ-45 jack 117, an analog wireless tranceiver 118 such as a cellular
telephone and a land line telephone sytem as indicated by POTS interface 120
supported by RJ-11 jack 121. As previously described, the analog signals
bypass the protocol engine 111 when transmitted or received via an analog
system. The control processor 122 provides control parameters including the
priority selection procedure and may be operator controll at keypad 126 or may
be pre programmed. A display 124 provides operator monitoring capability.
This system will permit complex priority decisions. For example, one
transmission system may be first priority for a voice only transmission,
whereas a second system may be first priority for a text only data
transmission. Time of day may be a factor in choosing priorities as well,
depending on whether a transmission is sent during peak

(

or off-peak periods.

	Type	L #	Hits	Search Text
1	BRS	L1	2370	455/557,559,556.1,556.2,575.1,550.1.ccls.
2	BRS	L2	0	(muti adj purpose) adj3 connector
3	BRS	L3	0	(muti adj purpose) adj3 connect$3
4	BRS	L4	0	(muti adj purpose) near3 connect$3
5	BRS	L5	150	(multi adj purpose) adj3 connect$3
6	BRS	L6	1	1 and 5
7	BRS	L7	1654	multiple adj interface
8	BRS	L8	1	1 and 7
9	BRS	L9	0	"i/o adj ports"
10	BRS	L10	7330	"i/o" adj ports
11	BRS	L11	25	1 and 10
12	BRS	L12	1390	universal adj3 connector
13	BRS	L13	12	1 and 12
14	BRS	L14	1792	universal adj3 interface
15	BRS	L15	30	1 and 14
16	BRS	L16	1579	external adj "i/o"
17	BRS	L17	14	1 and 16

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB	2004/03/24 08:16		
2	USPAT; US-PGPUB	2004/03/24 08:17		
3	USPAT; US-PGPUB	2004/03/24 08:17		
4	USPAT; US-PGPUB	2004/03/24 08:17		
5	USPAT; US-PGPUB	2004/03/24 08:18		
6	USPAT; US-PGPUB	2004/03/24 08:19		
7	USPAT; US-PGPUB	2004/03/24 08:19		
8	USPAT; US-PGPUB	2004/03/24 08:20		
9	USPAT; US-PGPUB	2004/03/24 08:21		
10	USPAT; US-PGPUB	2004/03/24 08:21		
11	USPAT; US-PGPUB	2004/03/24 08:47		
12	USPAT; US-PGPUB	2004/03/24 08:56		
13	USPAT; US-PGPUB	2004/03/24 08:47		
14	USPAT; US-PGPUB	2004/03/24 08:57		
15	USPAT; US-PGPUB	2004/03/24 09:02		
16	USPAT; US-PGPUB	2004/03/24 09:03		
17	USPAT; US-PGPUB	2004/03/24 09:03		